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**ASEAN  
BIODIASPORA  
VIRTUAL CENTER**

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# Bi-Weekly Epidemic Intelligence Report

Epi-week 27-28, 2024

With Support by:



Korea Disease Control and  
Prevention Agency



In partnership with  
**Canada**



**Kemenkes**



ASSOCIATION  
OF SOUTHEAST  
ASIAN NATIONS



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# Definitions

Below is a list of commonly referred to terms and keywords in the bi-weekly reports:

## **ASEAN Biodiaspora Virtual Center (ABVC)**

The ASEAN Biodiaspora Virtual Center (ABVC) is a center for monitoring, detection, and risk assessment of biological threats. ABVC aims to strengthen ASEAN's pandemic preparedness and response through enhancement big data analytics and visualization.

## **Hazard**

A source/incident that has the potential to cause morbidity or mortality in an exposed human population.

## **Signal**

An incident/situation involving a hazard that has occurred. Signals are typically news/updates identified through Event-Based Surveillance and Indicator-Based Surveillance, utilizing both official and non-official sources.

## **Threat**

Any signal as assessed by the ABVC to have the potential to pose a near-future risk to the ASEAN region. Criteria of threat consist of: new emerging diseases, re-emerging diseases, and disease outbreaks.

## **Event of Regional Interest**

A threat within ASEAN member states (AMS) that has been identified as a risk to the public health of ASEAN member states.

## **Threat of Regional Interest**

Any threat from neighboring countries that has been confirmed by ABVC as having the potential to pose a near-future risk to the populations of ASEAN Member States.



## Bi-weekly Events Summary in the ASEAN Region

(June 29 - July 12, 2024)

This bi-weekly report provides an overview of the signals, potential threats, and specifically Events of Regional Interest detected and identified by the ASEAN Biodiaspora Virtual Center between June 29 - July 12, 2024.

26

Disease  
Signals

7

Potential  
Threats

### Executive Summary

**Disease Signals** Within the past two weeks, ABVC detected 26 infectious disease signals in the ASEAN region. Of the signals, 50% were dengue, followed by rabies (11.5%), avian influenza, leptospirosis, and typhoid (7.7% each), and cholera, hand, foot, and mouth disease (HFMD), malaria, and pertussis (3.8% each).

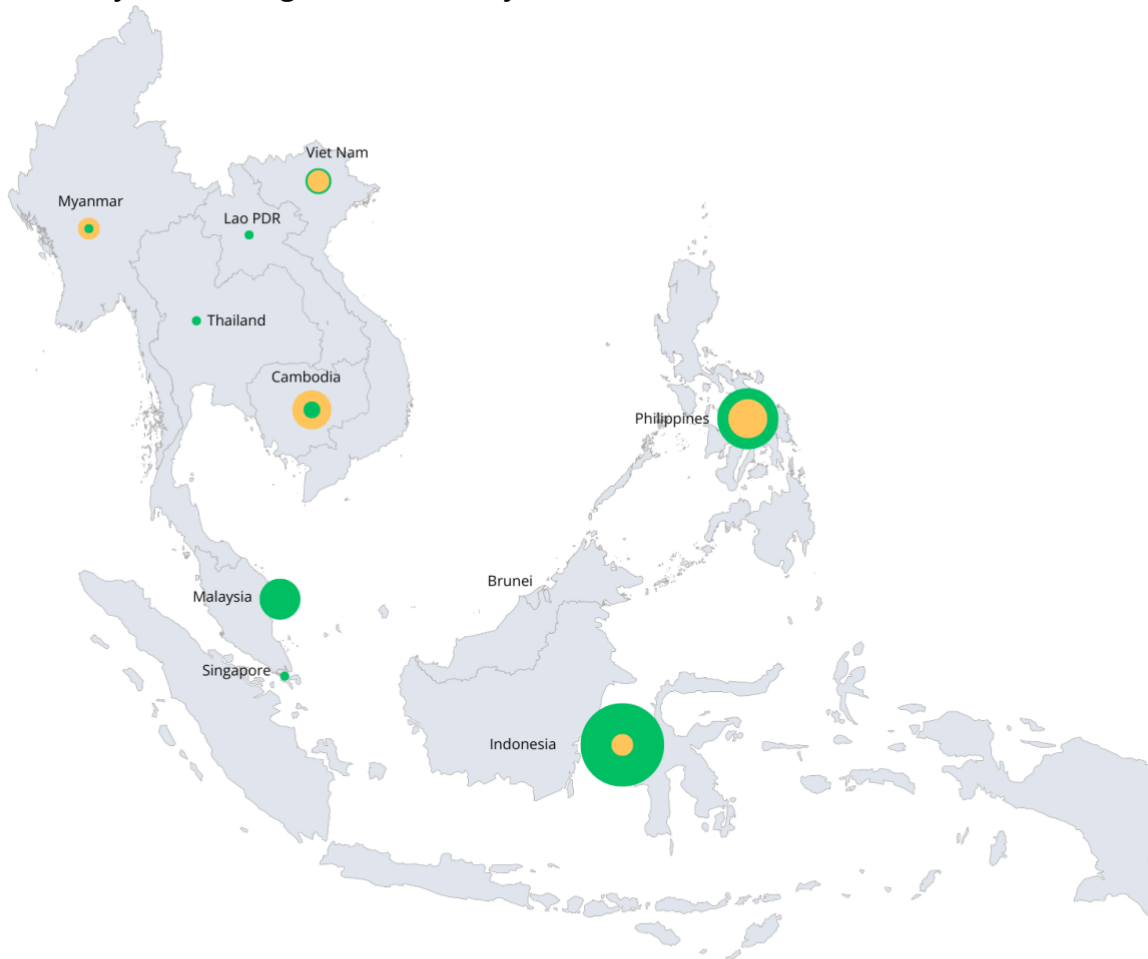
**Potential Threats** Of the disease signals, ABVC identified 7 potential threats within the past two weeks: 2 avian influenza, 2 leptospirosis, 2 rabies, and 1 cholera.

**Events of Regional Interest** ABVC has closely monitored several events of regional interest over the past two weeks. This includes tracking COVID-19 globally, as well as monitoring various infectious diseases in the ASEAN region such as dengue, malaria, measles, mpox, and rabies. Detailed information is available in our ***Morbidity and Mortality Weekly Report***, which can be accessed [[here](#)].

**Threat of Regional Interest** ABVC continued monitoring threats of regional interest that could impact the ASEAN region: avian influenza in Cambodia, cholera in Myanmar, leptospirosis in the Philippines, and rabies in Indonesia and Viet Nam.

## Signals and Potential Threats

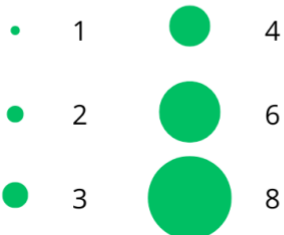
The ABVC actively monitors the ASEAN region for daily disease signals. Through our analysis, specific signals are identified as threats or events of regional concern. Potential threats are identified by considering the connectivity between ASEAN countries.



### Number of detected signals in epi-week 27-28

by country, for Jun 29 - Jul 12, 2024

#### Infectious disease signals



#### Potential threat signals

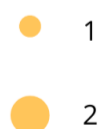


Figure 1. Signals and potential threats detected in epi-week 27-28, 2024

In the past two weeks, a total of 26 infectious disease signals were detected in the region, seven of which were potential threats. A total of 8 signals were detected in Indonesia, followed by the Philippines (6 signals), Malaysia (4 signals), Viet Nam (3 signals) and Cambodia (2 signals). Myanmar, Singapore, and Thailand each have 1 signal detected. No infectious disease signals were detected from Brunei Darussalam and Lao PDR.

Table 1. Infectious disease Signals detected between Jun 29 - Jul 12, 2024

Disease category	Disease	Country (Signal detected)	No of signal
<b>Food-borne disease</b>	Typhoid	Malaysia (2)	2
<b>Vaccine-preventable disease</b>	Pertussis	Viet Nam (1)	1
<b>Water-borne disease</b>	Cholera	Myanmar (1)	1
<b>Vector-borne disease</b>	Dengue	Indonesia (6), Malaysia (2), Philippines (4), Singapore (1)	13
	Leptospirosis	Philippines (2)	2
	Malaria	Thailand (1)	1
<b>Viral infection</b>	Hand, food, and mouth disease	Viet Nam (1)	1
<b>Zoonosis</b>	Avian influenza	Cambodia (2)	2
	Rabies	Indonesia (2), Viet Nam (1)	3

Of the 26 infectious disease signals, 7 were identified as having the potential to pose a near-future risk to the ASEAN region. These include: two leptospirosis threats were recorded in the Philippines, 2 avian influenza threat in Cambodia, 1 rabies threat in Indonesia and Vietnam, and 1 cholera outbreak in Myanmar.

Table 2. Potential threats detected between Jun 29 - Jul 12, 2024

Disease category	Disease	Country (Signal detected)	No of signal
<b>Vector-borne disease</b>	Leptospirosis	Philippines (2)	2
<b>Zoonosis</b>	Avian influenza	Cambodia (2)	2
	Rabies	Indonesia (1), Viet Nam (1)	2
<b>Water-borne disease</b>	Cholera	Myanmar (1)	1



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